

XP-002107544

FILE CA

AN - 129:83788 CA
TI - Fuel cells using dimethyl ether raw fuel
IN - Tomura, Keji; Ogawa, Takashi; Ono, Masaki; Mizuguchi, Masatsugu
PA - Nippon Kokan Co., Ltd., Japan
SO - Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT - Patent
LA - Japanese
IC - ICM H01M008/06
CC - 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)
FAN.CNT 1

P.D.	2
p.	2

	PAT NO.	KIND	DATE	APPLICATION NO.	DATE
PN	- JP10189022 A		19980721	JP 96-349408	19961227 <--
AB	- The fuel cells use Me ₂ O as raw fuel or Me ₂ O-steam mixt. as fuel gas.				
ST	- fuel cell dimethyl ether steam				
IT	- Fuel cells Steam (solid electrolyte fuel cells using direct supply of di-Me ether-steam fuel gas)				
IT	- 7440-06-4, Platinum, uses RL: DEV (Device component use); USES (Uses) (anodes for solid electrolyte fuel cells using direct supply of di-Me ether-steam fuel gas)				
IT	- 132085-55-3, Calcium lanthanum manganese oxide (Ca _{0.25} La _{0.75} MnO ₃) RL: DEV (Device component use); USES (Uses) (cathodes for solid electrolyte fuel cells using direct supply of di-M ether-steam fuel gas)				
IT	- 114168-16-0, Yttrium zirconium oxide (Y _{0.16} Zr _{0.92} O _{2.08}) RL: DEV (Device component use); USES (Uses) (electrolytes for solid electrolyte fuel cells using direct supply of di-Me ether-steam fuel gas)				
IT	- 115-10-6, Dimethyl ether RL: NUU (Nonbiological use, unclassified); USES (Uses) (solid electrolyte fuel cells using direct supply of di-Me ether-steam fuel gas)				

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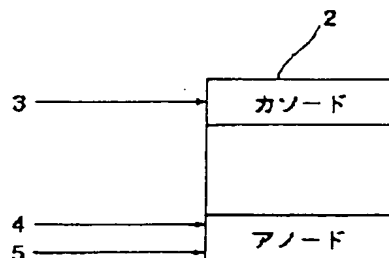
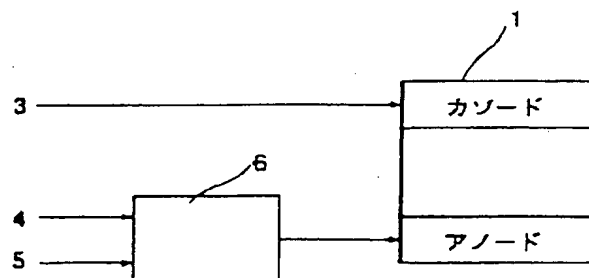
PUBLICATION NUMBER : JP10189022
PUBLICATION DATE : 21-07-98
APPLICATION NUMBER : JP960349408
APPLICATION DATE : 27-12-96

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AB. DATE : 31-10-1998 PAT: A 10189022
PATENTEE : NKK CORP
PATENT DATE: 21-07-1998

INVENTOR : TOMURA KEIJI;
OGAWA TAKASHI;
ONO MASAMI;
MIZUGUCHI MASATSUGU

INT.CL. : H01M8/06

TITLE : FUEL CELL



ABSTRACT : PROBLEM TO BE SOLVED: To provide a fuel cell using dimethyl ether.
SOLUTION: In the fuel cell, dimethyl ether 4 used as a raw fuel is supplied to a reformer 6 together with steam 5, and is supplied to an anode of a fuel cell 1 after reforming, and an oxidizing agent gas such as air 3 is supplied to a cathode of the fuel cell 1. In the solid electrolyte fuel cell, dimethyl ether 4 is supplied to an anode of a solid electrolyte fuel cell 2 together with steam 5, and the oxidizing agent gas such as the air 3 is supplied to a cathode of the solid electrolyte fuel cell 2.

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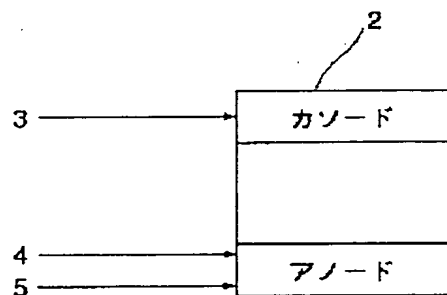
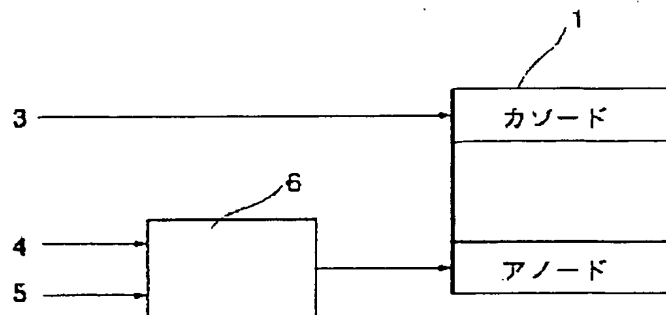
APPLICATION DATE : 27-12-96
APPLICATION NUMBER : 08349408

APPLICANT : NKK CORP;

INVENTOR : MIZUGUCHI MASATSUGU;

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